

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139798.D
 Acq On : 14 Oct 2024 19:52
 Operator : RC/JU
 Sample : P4364-02DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-2.5-3.0DL

Quant Time: Oct 15 01:13:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

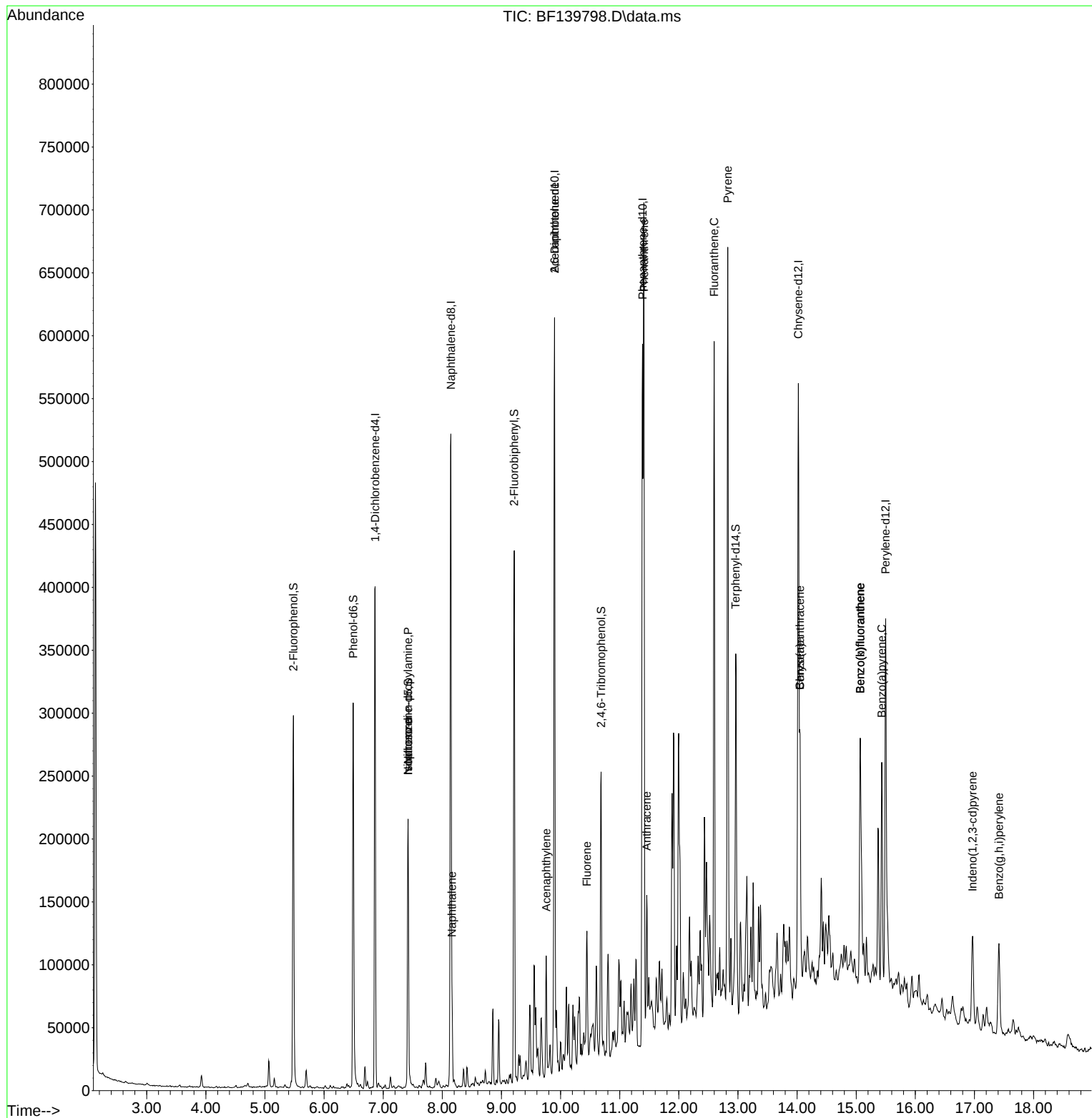
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	84201	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	324056	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	175823	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	290604	20.000	ng	0.00
76) Chrysene-d12	14.021	240	148177	20.000	ng	-0.01
86) Perylene-d12	15.498	264	165318	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	112045	23.064	ng	0.00
7) Phenol-d6	6.492	99	146834	22.476	ng	-0.01
23) Nitrobenzene-d5	7.422	82	90386	14.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	30348	17.880	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	178651	15.599	ng	-0.01
79) Terphenyl-d14	12.963	244	129765	14.369	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	12297	2.928	ng	# 77
25) Isophorone	7.422	82	88165	7.756	ng	# 66
31) Naphthalene	8.163	128	35785	2.160	ng	98
49) Acenaphthylene	9.757	152	39975	2.681	ng	96
51) 2,6-Dinitrotoluene	9.898	165	24737	9.514	ng	# 18
58) Fluorene	10.445	166	40319	3.532	ng	# 97
71) Phenanthrene	11.410	178	343878	25.097	ng	99
72) Anthracene	11.457	178	59550	4.393	ng	98
75) Fluoranthene	12.598	202	284791	19.013	ng	100
78) Pyrene	12.827	202	341802	25.791	ng	99
81) Benzo(a)anthracene	14.051	228	102952	10.568	ng	93
83) Chrysene	14.051	228	102952	11.559	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	51375	5.280	ng	97
88) Benzo(b)fluoranthene	15.068	252	165460	15.479	ng	# 98
89) Benzo(k)fluoranthene	15.068	252	165460	18.248	ng	98
90) Benzo(a)pyrene	15.433	252	102252	12.132	ng	99
92) Benzo(g,h,i)perylene	17.415	276	62050	7.666	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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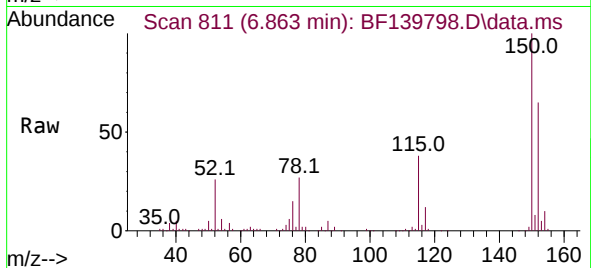
Quant Time: Oct 15 01:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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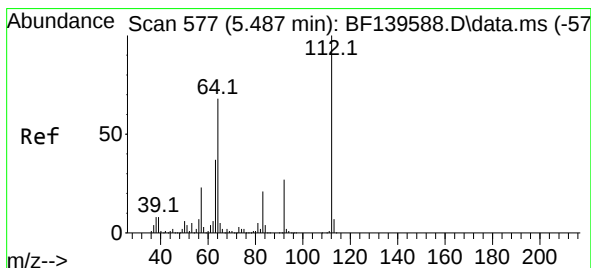
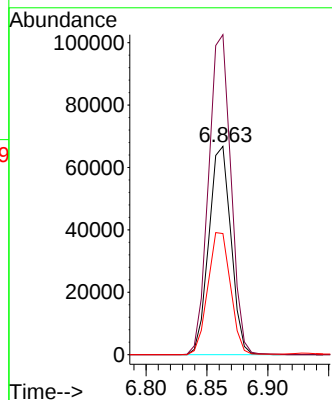
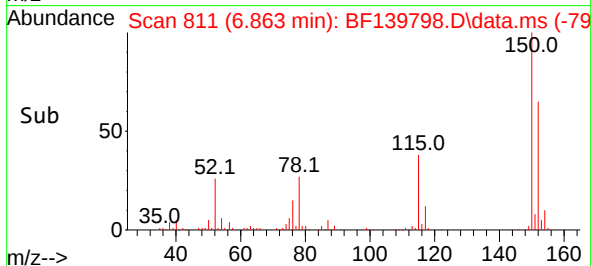


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Instrument :
BNA_F
ClientSampleId :
SB-01-2.5-3.0DL

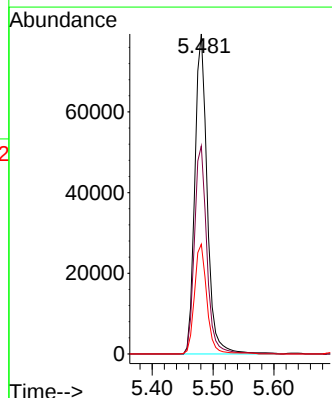
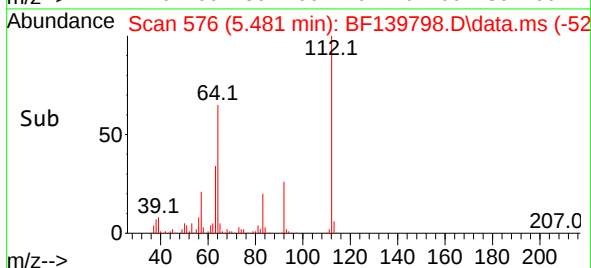
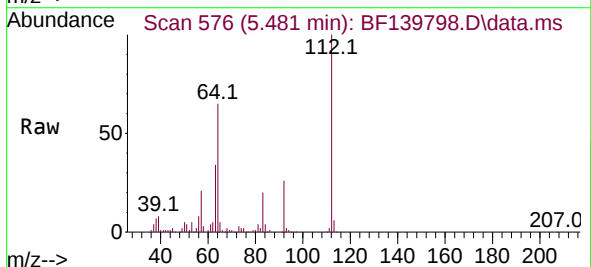


Tgt Ion:152 Resp: 84201
Ion Ratio Lower Upper
152 100
150 153.6 127.2 190.8
115 58.1 49.0 73.4



#5
2-Fluorophenol
Concen: 23.064 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Tgt Ion:112 Resp: 112045
Ion Ratio Lower Upper
112 100
64 65.0 54.2 81.4
63 34.3 29.4 44.2

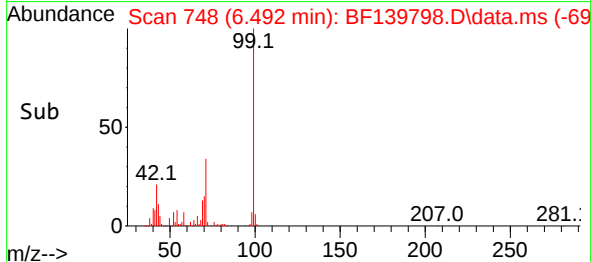
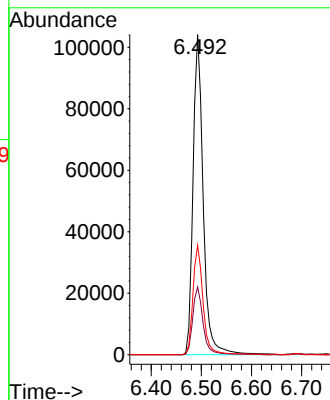
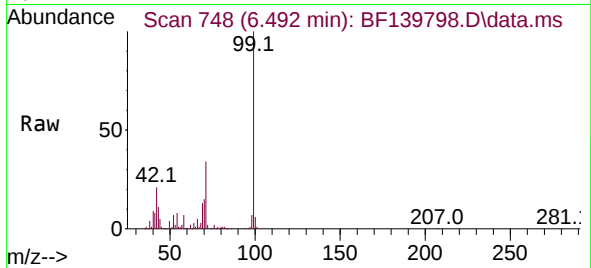




#7
Phenol-d6
Concen: 22.476 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

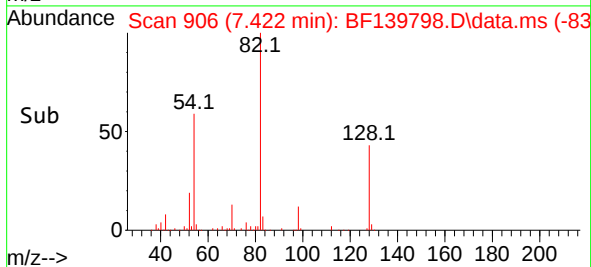
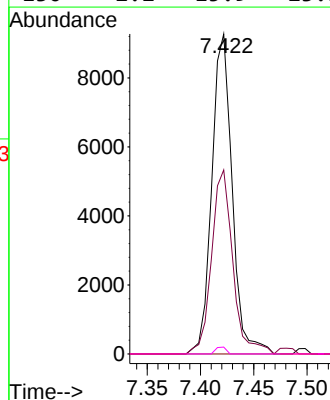
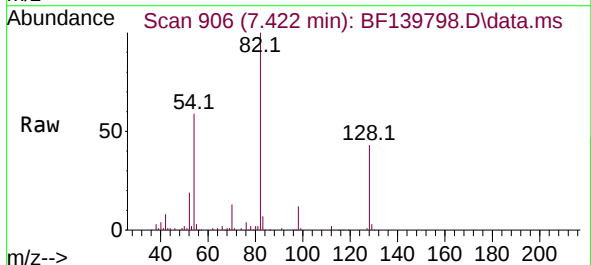
Instrument :
BNA_F
ClientSampleId :
SB-01-2.5-3.0DL

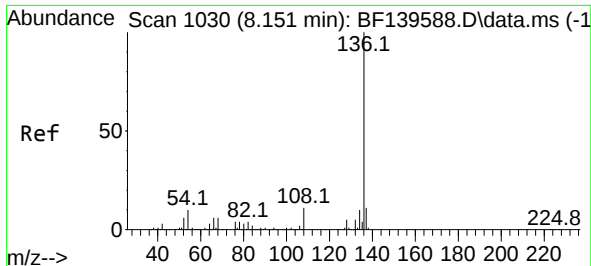
Tgt Ion: 99 Resp: 146834
Ion Ratio Lower Upper
99 100
42 21.2 19.1 28.7
71 34.2 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.928 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Tgt Ion: 70 Resp: 12297
Ion Ratio Lower Upper
70 100
42 57.5 58.0 87.0#
101 0.0 7.8 11.8#
130 2.2 15.9 23.9#



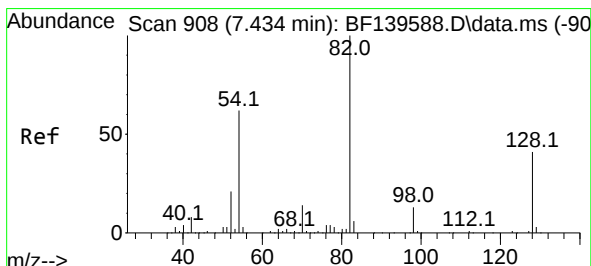
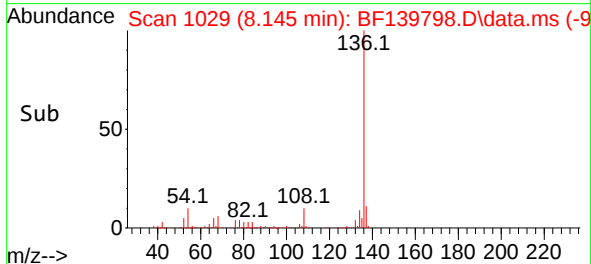
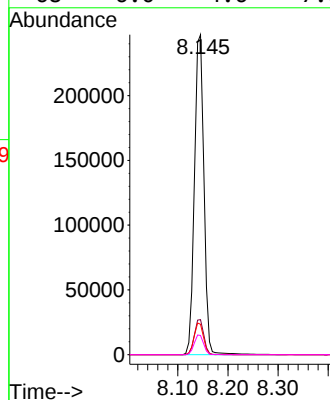
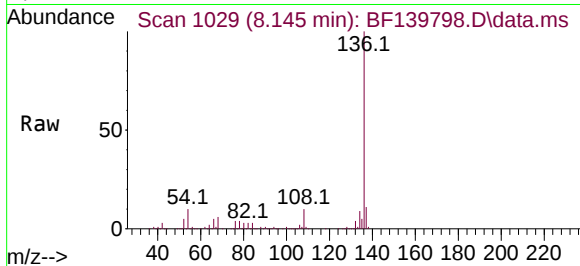


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Instrument :
BNA_F
ClientSampleId :
SB-01-2.5-3.0DL

Tgt Ion:136 Resp: 324056

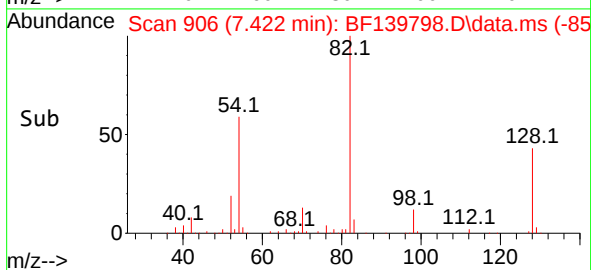
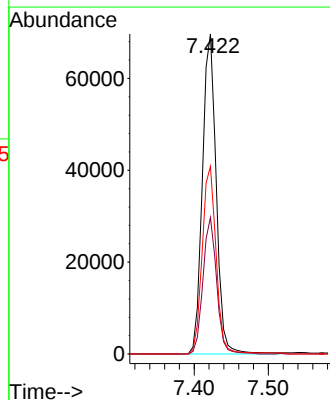
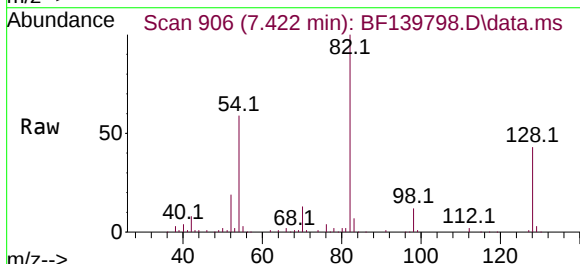
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.5	8.3	12.5
68	6.0	4.6	7.0

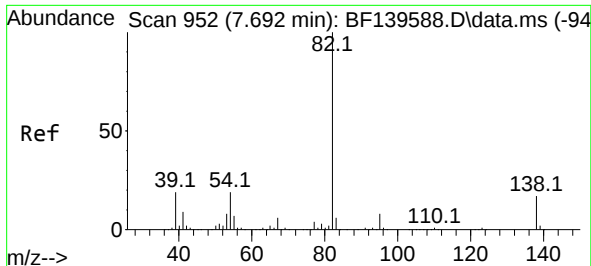


#23
Nitrobenzene-d5
Concen: 14.122 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Tgt Ion: 82 Resp: 90386

Ion	Ratio	Lower	Upper
82	100		
128	42.7	32.4	48.6
54	58.6	49.1	73.7

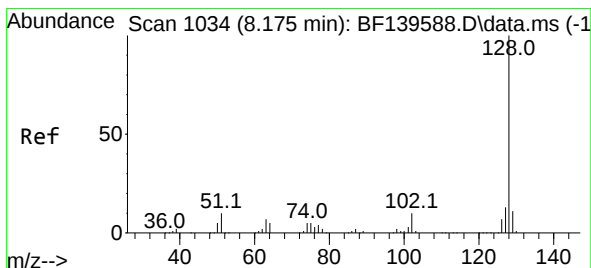
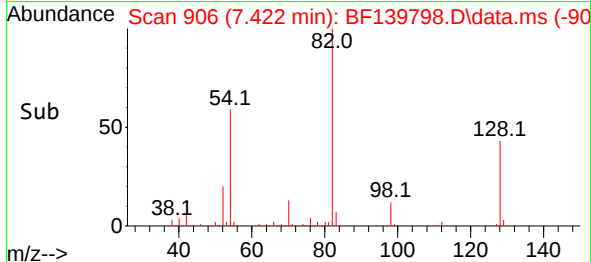
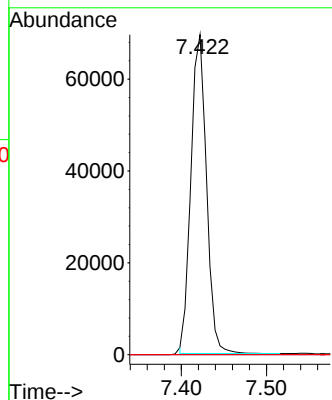
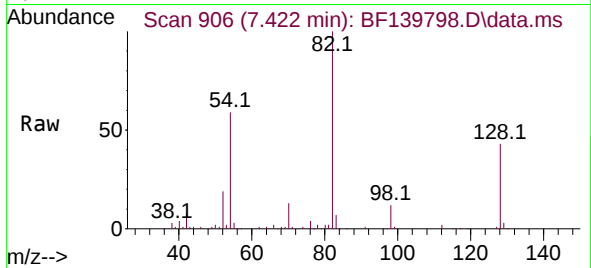




#25
Isophorone
Concen: 7.756 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

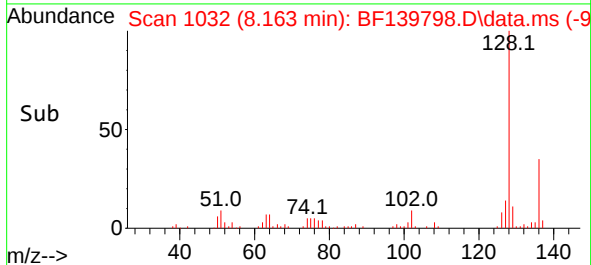
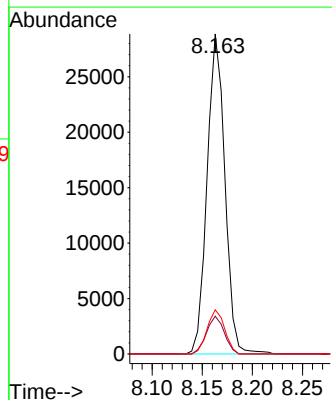
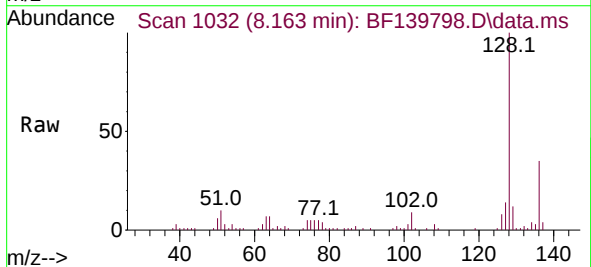
Instrument :
BNA_F
ClientSampleId :
SB-01-2.5-3.0DL

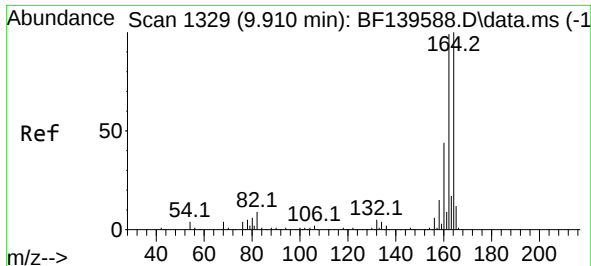
Tgt Ion: 82 Resp: 88165
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 2.160 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Tgt Ion: 128 Resp: 35785
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.8 10.5 15.7

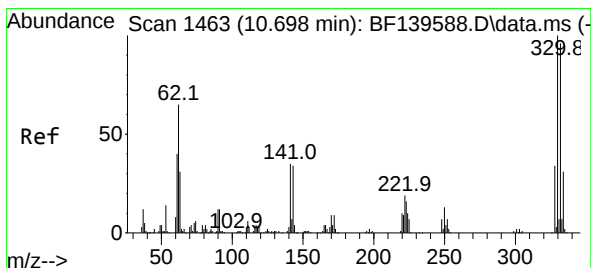
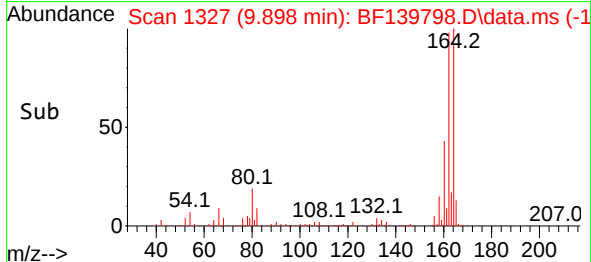
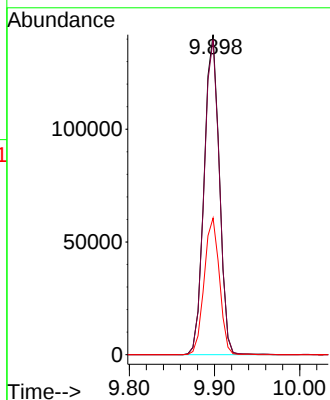
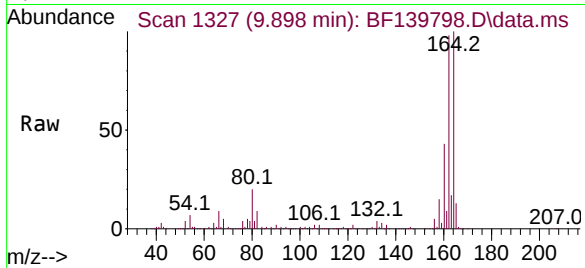




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

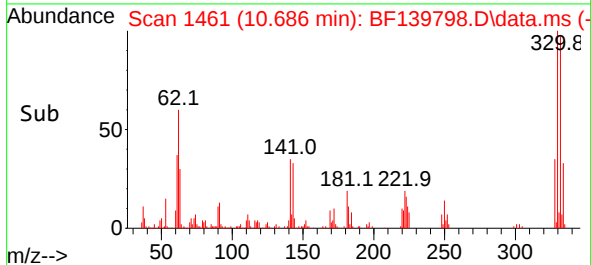
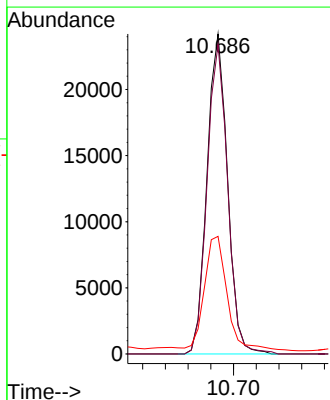
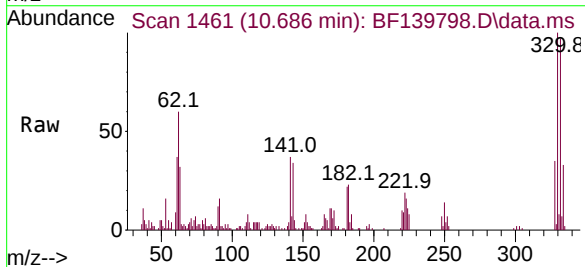
Instrument :
BNA_F
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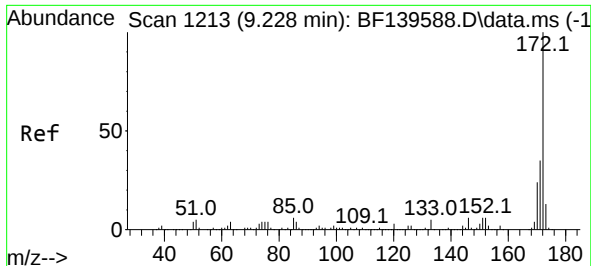
Tgt Ion:164 Resp: 175823
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 42.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 17.880 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139798.D
Acq: 14 Oct 2024 19:52

Tgt Ion:330 Resp: 30348
Ion Ratio Lower Upper
330 100
332 97.1 76.5 114.7
141 40.0 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 15.599 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

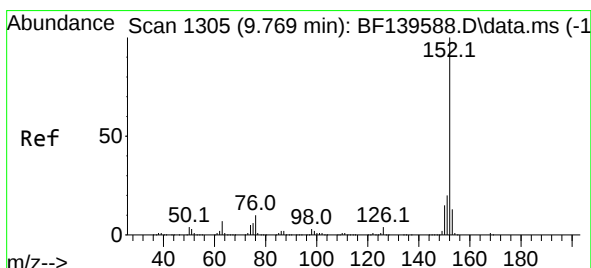
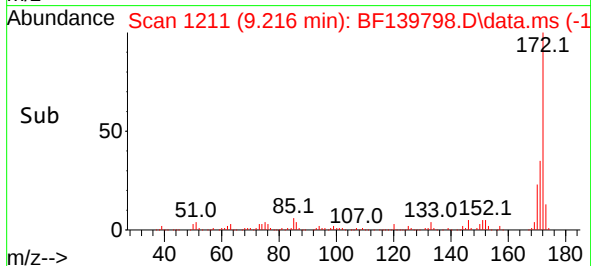
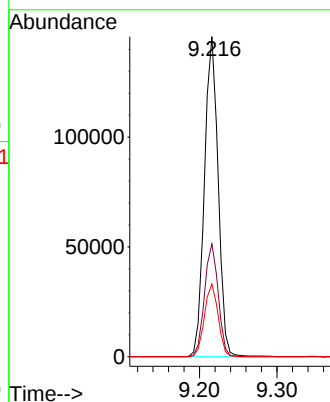
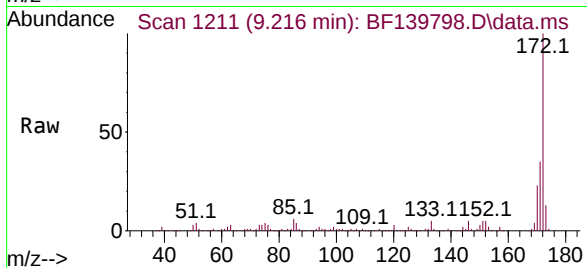
Tgt Ion:172 Resp: 178651

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.7 18.8 28.2



#49

Acenaphthylene

Concen: 2.681 ng

RT: 9.757 min Scan# 1303

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

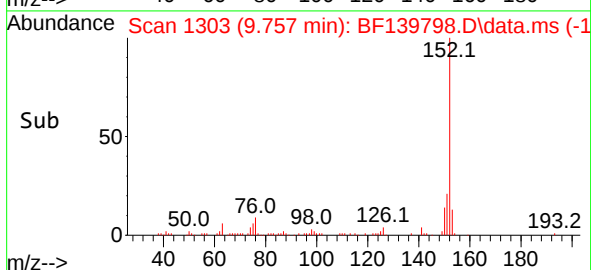
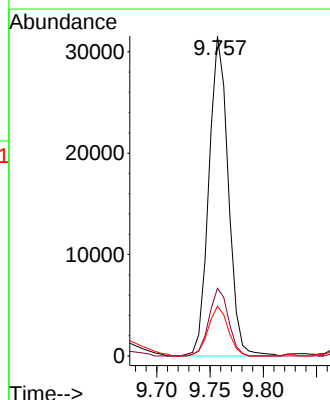
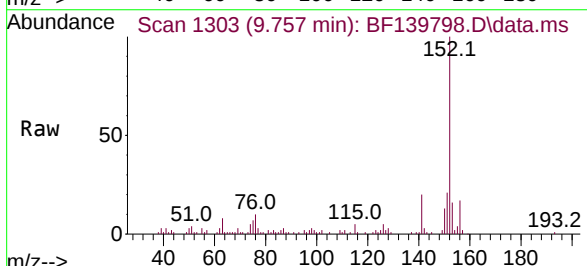
Tgt Ion:152 Resp: 39975

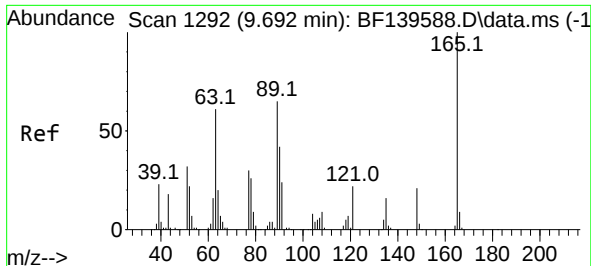
Ion Ratio Lower Upper

152 100

151 21.2 16.0 24.0

153 15.5 10.5 15.7





#51

2,6-Dinitrotoluene

Concen: 9.514 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

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ClientSampleId :

SB-01-2.5-3.0DL

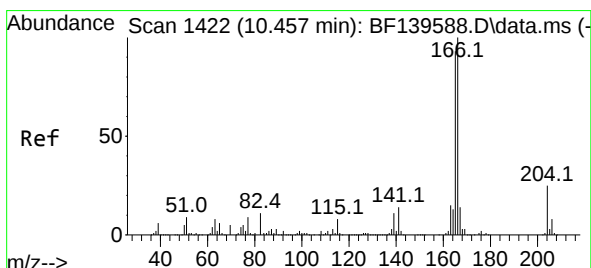
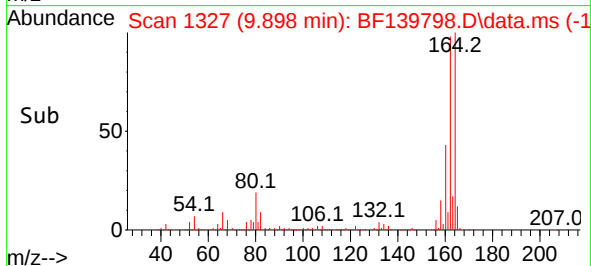
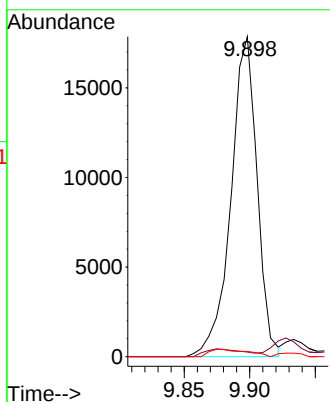
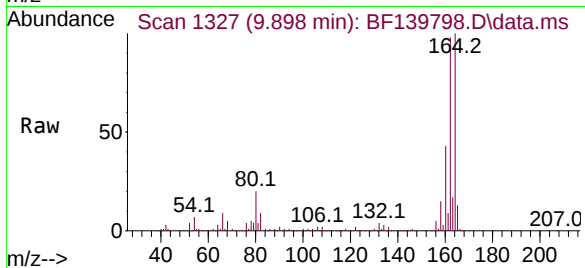
Tgt Ion:165 Resp: 24737

Ion Ratio Lower Upper

165 100

63 1.4 56.7 85.1#

89 1.6 51.6 77.4#



#58

Fluorene

Concen: 3.532 ng

RT: 10.445 min Scan# 1420

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

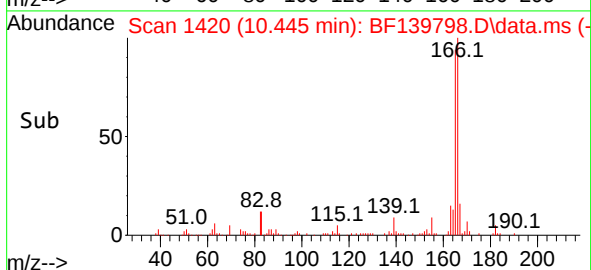
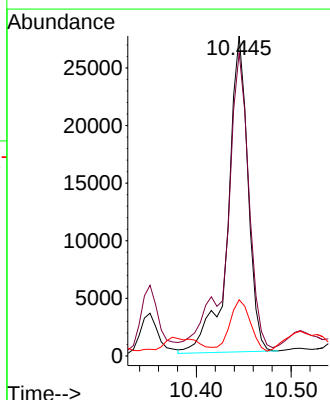
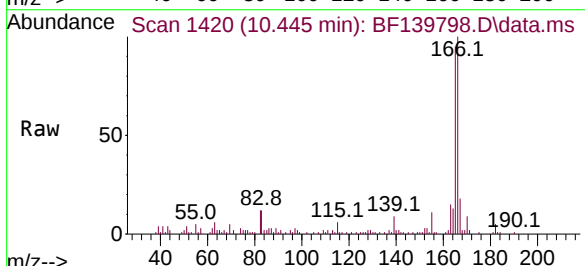
Tgt Ion:166 Resp: 40319

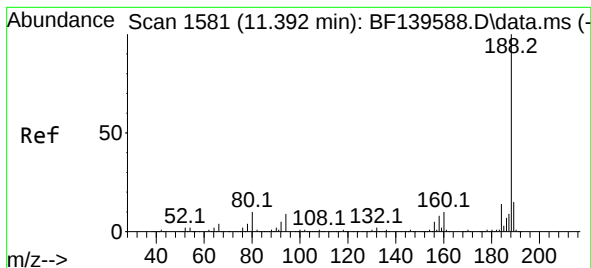
Ion Ratio Lower Upper

166 100

165 94.8 74.4 111.6

167 17.6 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

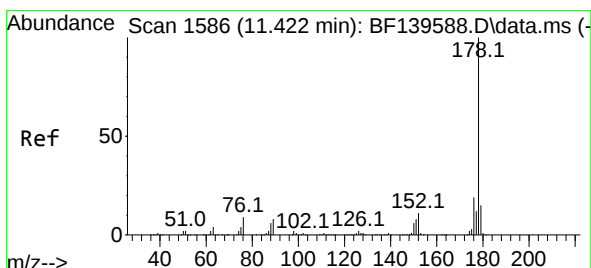
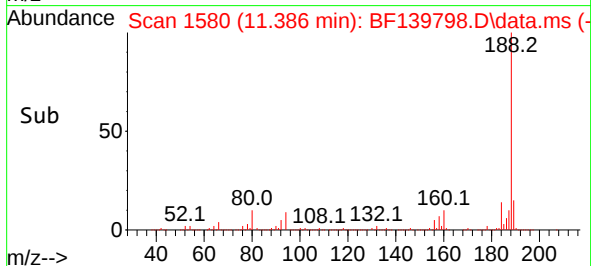
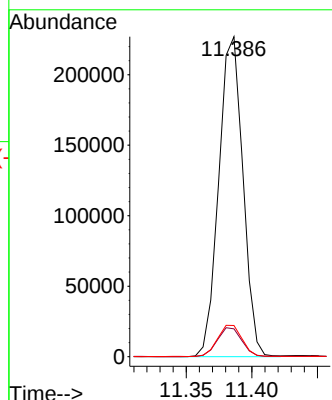
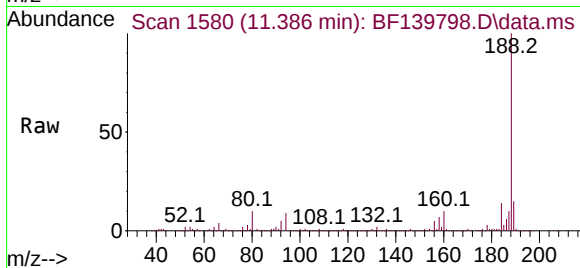
Tgt Ion:188 Resp: 290604

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.7 8.2 12.2



#71

Phenanthrene

Concen: 25.097 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

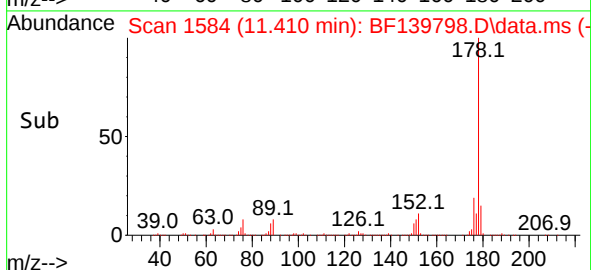
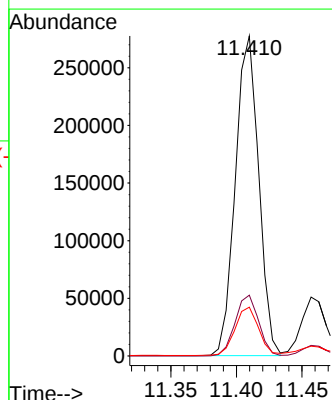
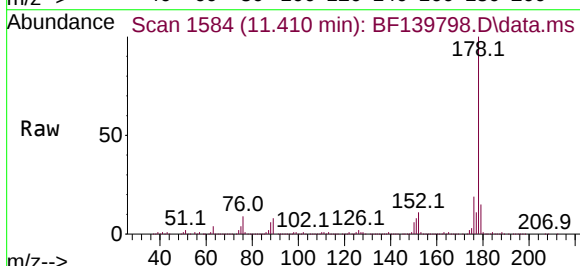
Tgt Ion:178 Resp: 343878

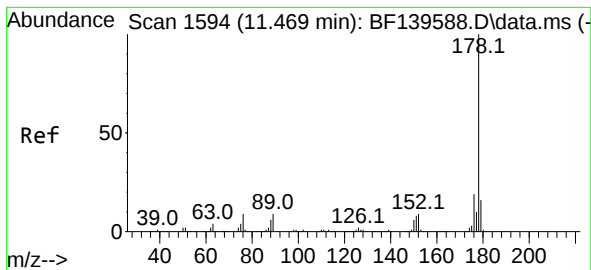
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.3 12.3 18.5





#72

Anthracene

Concen: 4.393 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

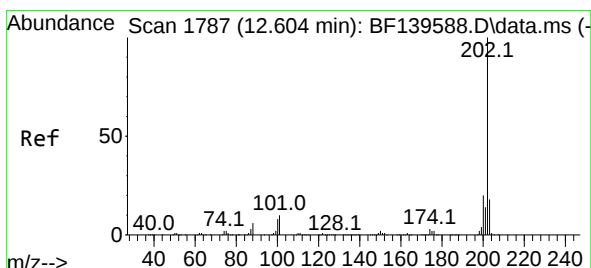
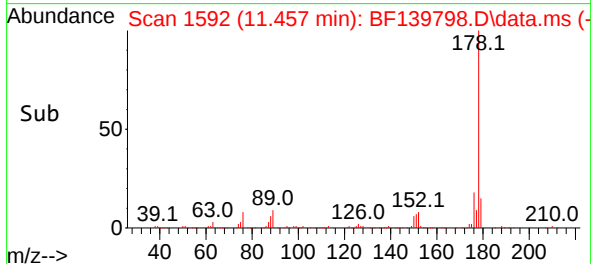
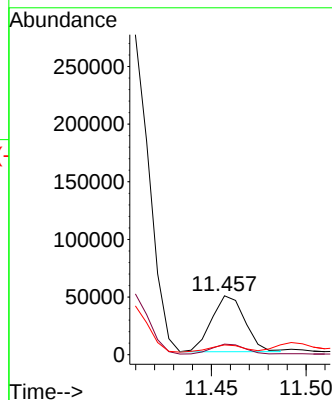
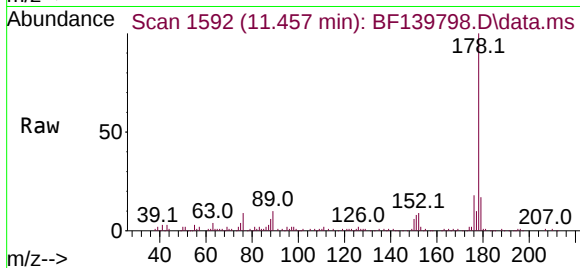
Tgt Ion:178 Resp: 59550

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 16.6 12.5 18.7



#75

Fluoranthene

Concen: 19.013 ng

RT: 12.598 min Scan# 1786

Delta R.T. -0.006 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

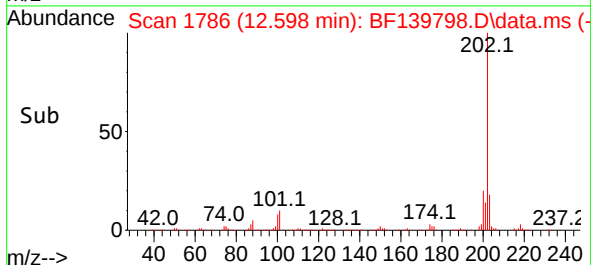
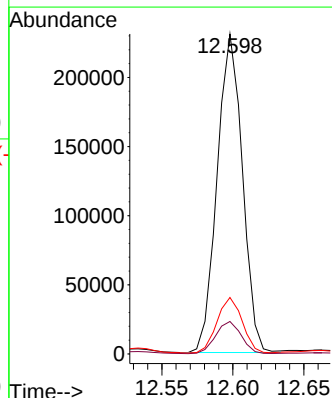
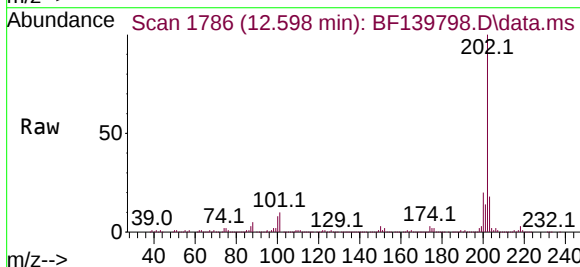
Tgt Ion:202 Resp: 284791

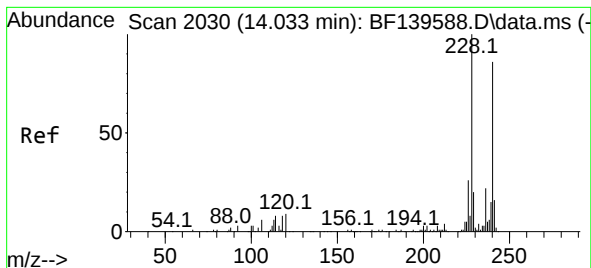
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

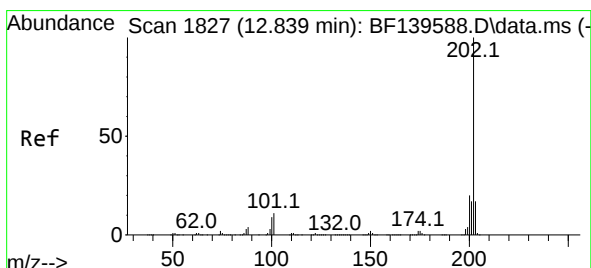
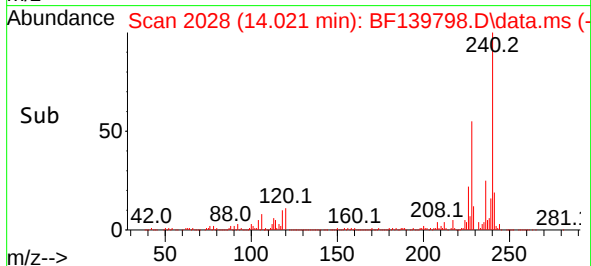
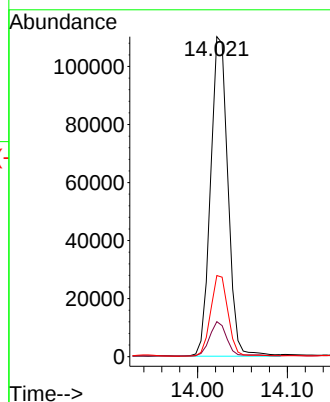
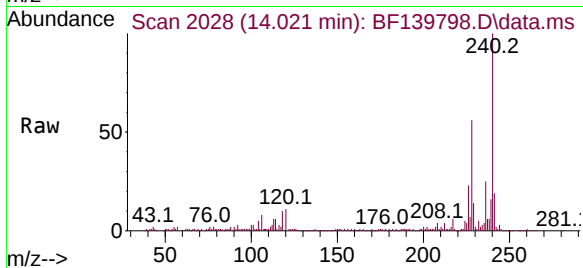
Tgt Ion:240 Resp: 148177

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 25.3 20.3 30.5



#78

Pyrene

Concen: 25.791 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

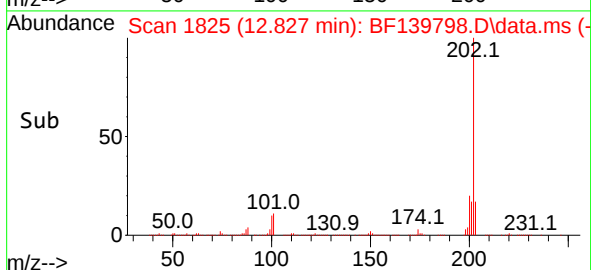
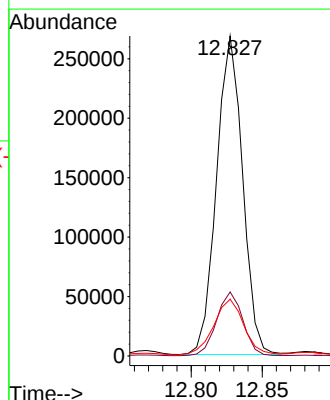
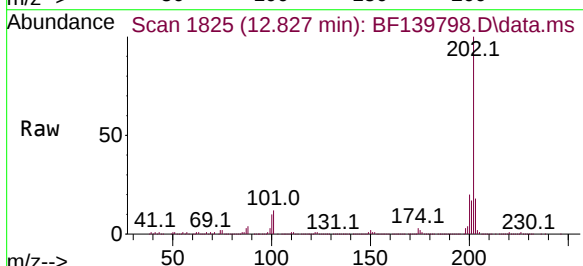
Tgt Ion:202 Resp: 341802

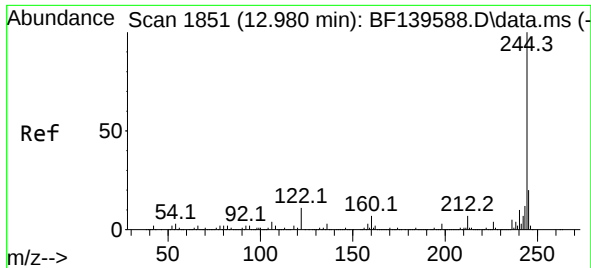
Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

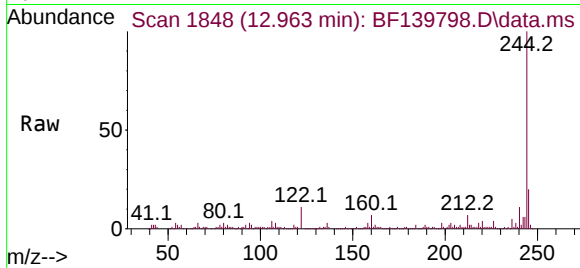
203 17.7 13.8 20.8



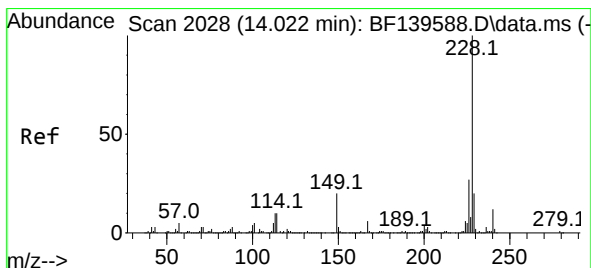
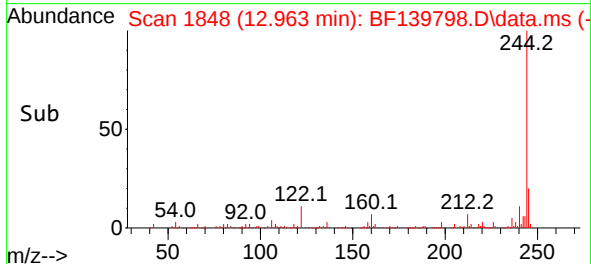
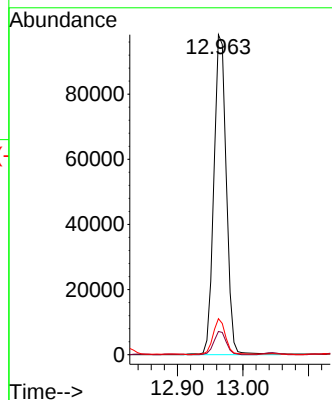


#79
 Terphenyl-d14
 Concen: 14.369 ng
 RT: 12.963 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF139798.D
 Acq: 14 Oct 2024 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-2.5-3.0DL

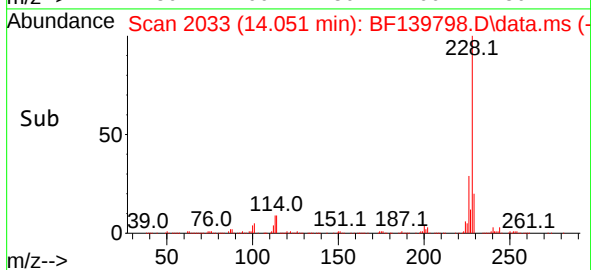
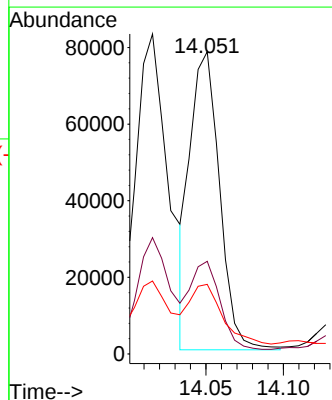
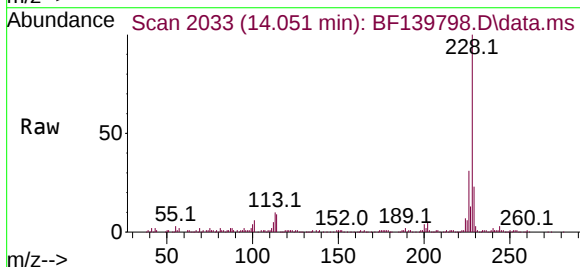


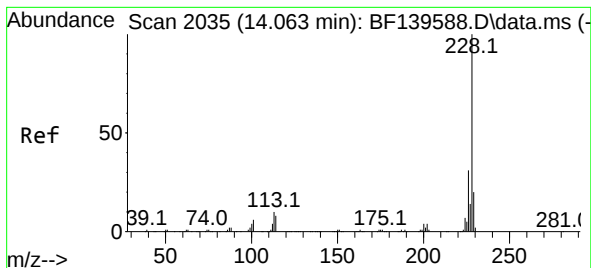
Tgt Ion:244 Resp: 129765
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 11.3 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 10.568 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.029 min
 Lab File: BF139798.D
 Acq: 14 Oct 2024 19:52

Tgt Ion:228 Resp: 102952
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.8 32.8
 229 23.0 15.8 23.8





#83

Chrysene

Concen: 11.559 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

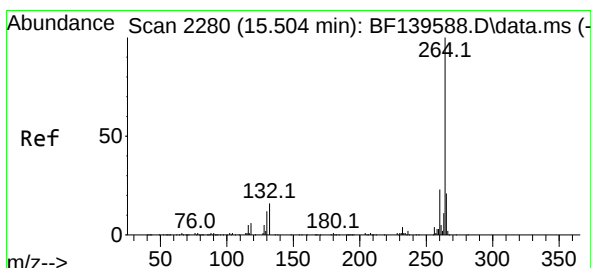
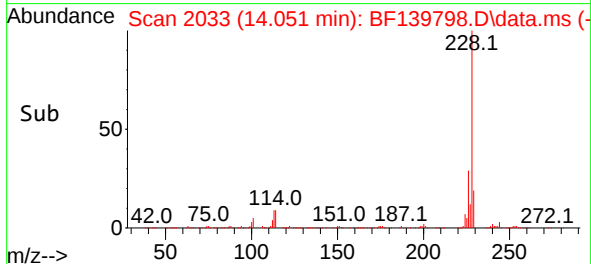
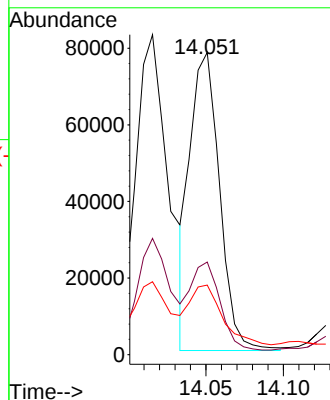
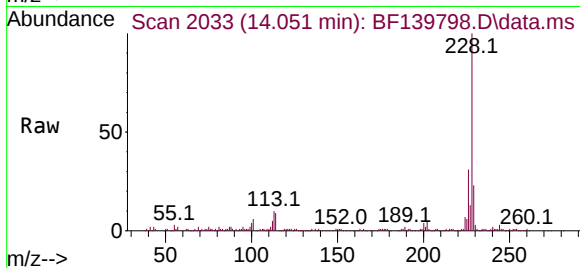
Tgt Ion:228 Resp: 102952

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 23.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

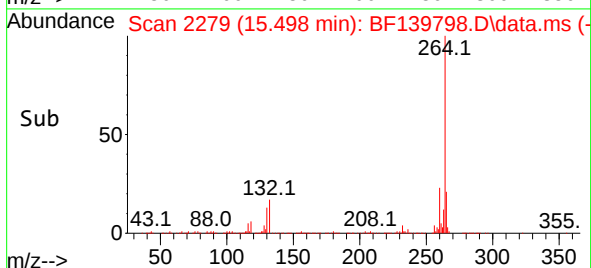
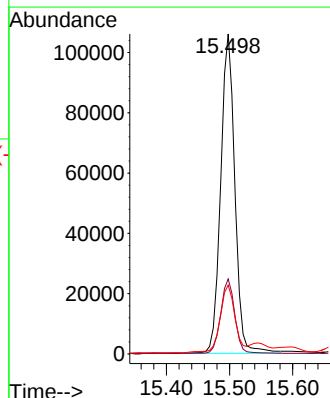
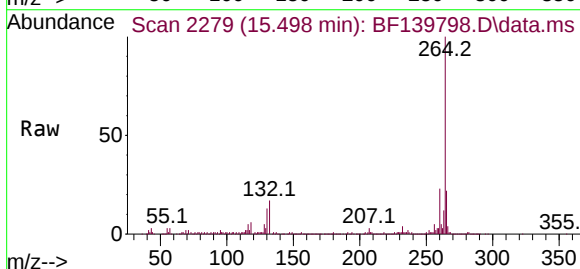
Tgt Ion:264 Resp: 165318

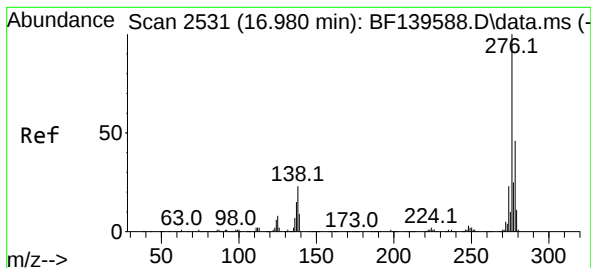
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.5 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.280 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

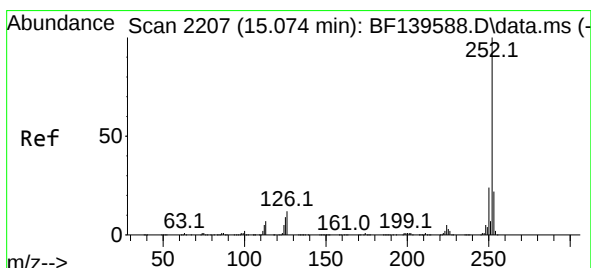
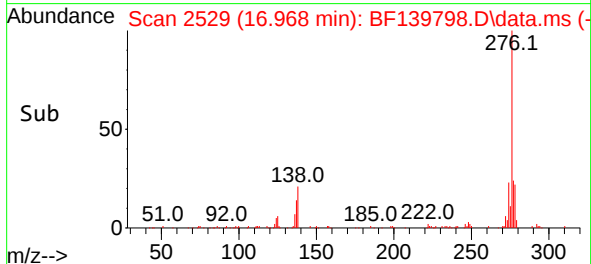
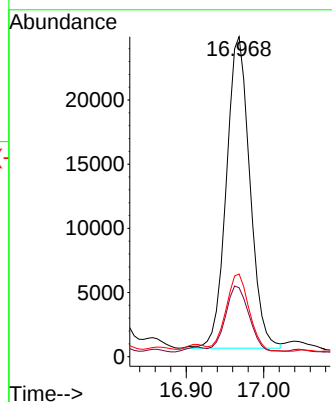
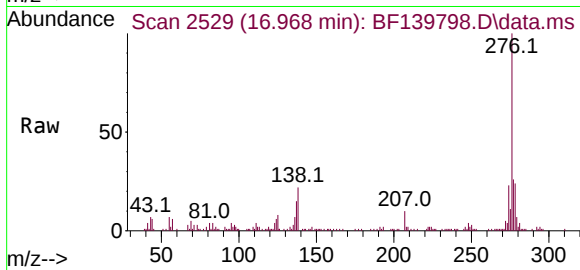
Tgt Ion:276 Resp: 51375

Ion Ratio Lower Upper

276 100

138 21.8 19.4 29.0

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.479 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

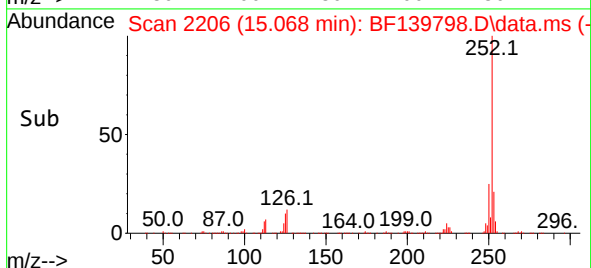
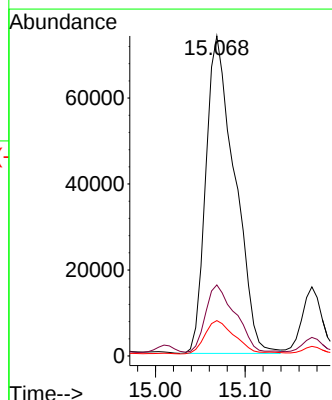
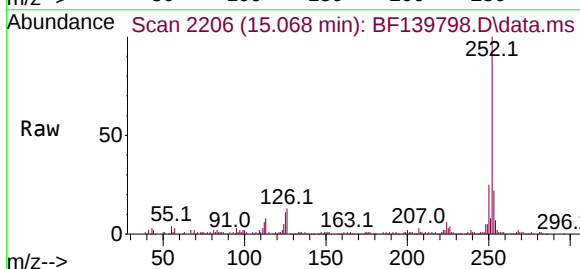
Tgt Ion:252 Resp: 165460

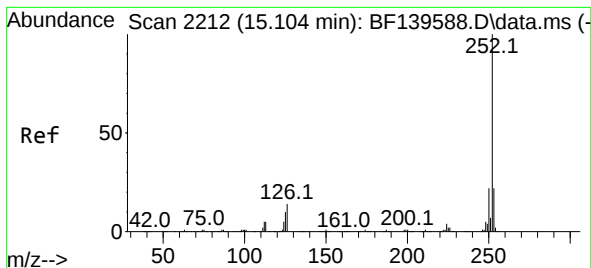
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 11.1 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 18.248 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL

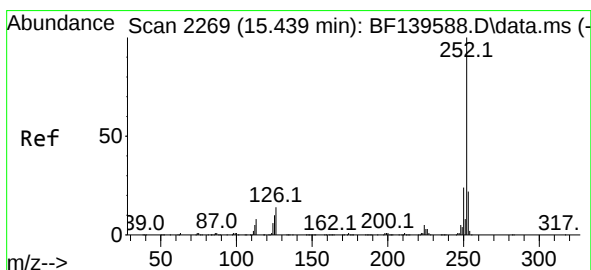
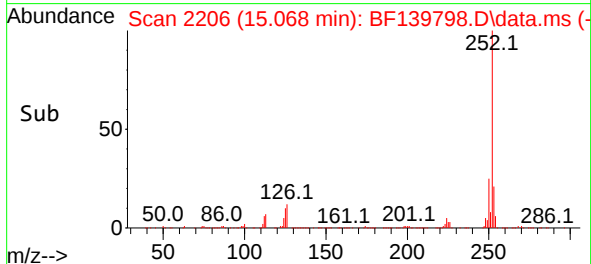
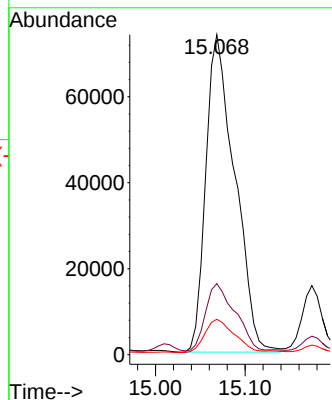
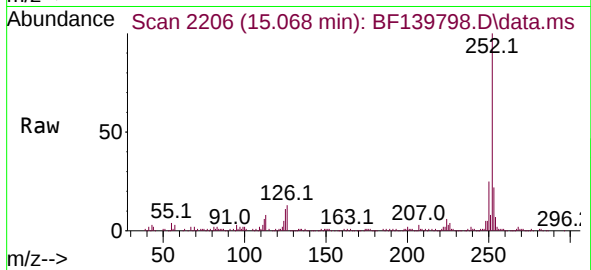
Tgt Ion:252 Resp: 165460

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.1 7.6 11.4



#90

Benzo(a)pyrene

Concen: 12.132 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF139798.D

Acq: 14 Oct 2024 19:52

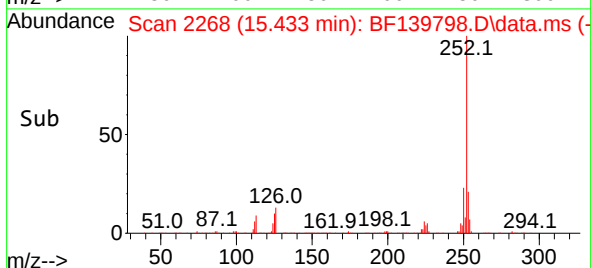
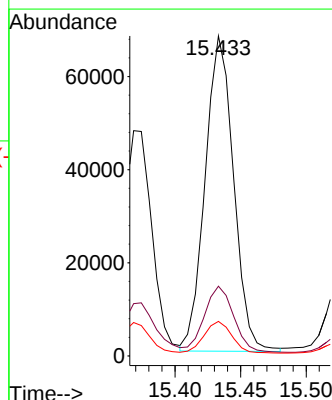
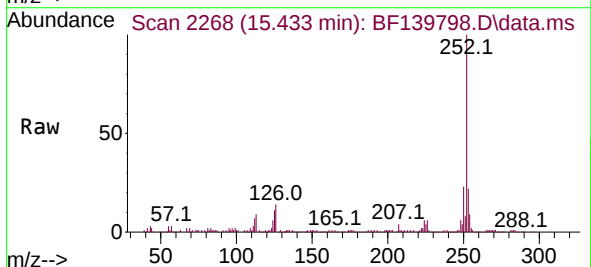
Tgt Ion:252 Resp: 102252

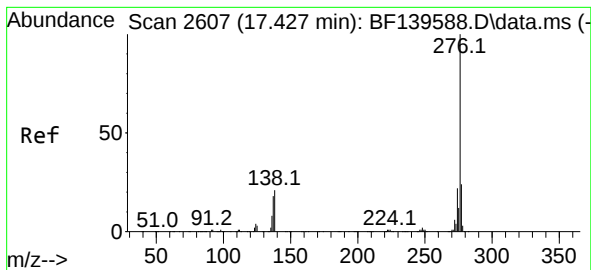
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.8 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 7.666 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139798.D

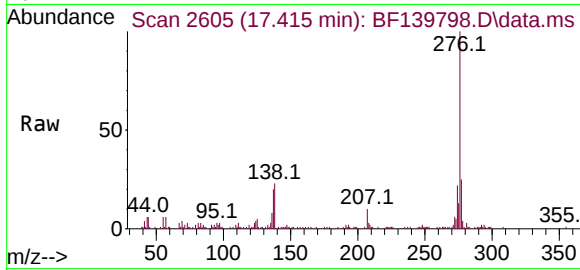
Acq: 14 Oct 2024 19:52

Instrument :

BNA_F

ClientSampleId :

SB-01-2.5-3.0DL



Tgt Ion:276 Resp: 62050

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

138 22.6 17.0 25.6

